DATA CAPTURE FOR A SOURCE SYNCHRONOUS INTERFACE

ABSTRACT

Method and apparatus for data recapture from a source synchronous interface. A data signal is obtained via the source synchronous interface. A timing signal is obtained via the source synchronous interface, where the data signal and the timing signal are provided in association with one another. The timing signal is frequency divided by frequency divider to provide an enable signal. Data of the data signal is captured responsive to the timing signal and the enable signal, where the data captured is in a time domain of the timing signal. A data valid signal is generated from the enable signal and an internal clock signal, where the data valid signal is internally timed without having to determine a system level delay. The data is recaptured responsive to the internal clock signal and the data valid signal, where the recaptured data is in a time domain of the internal clock signal.